



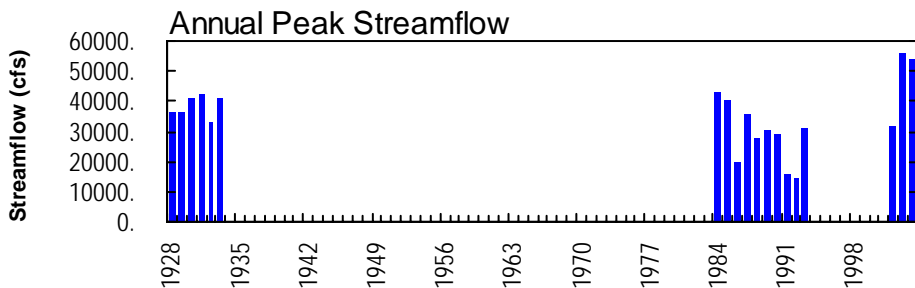
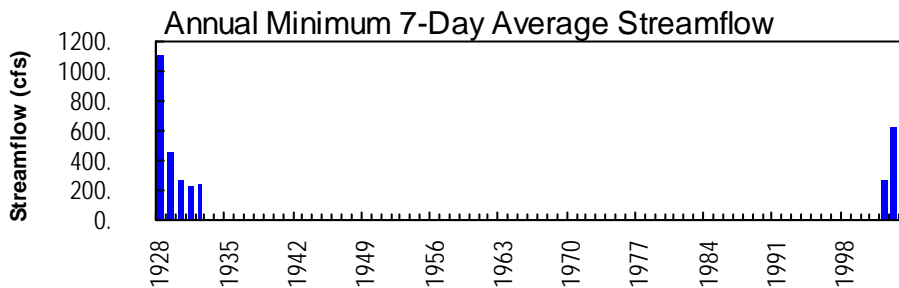
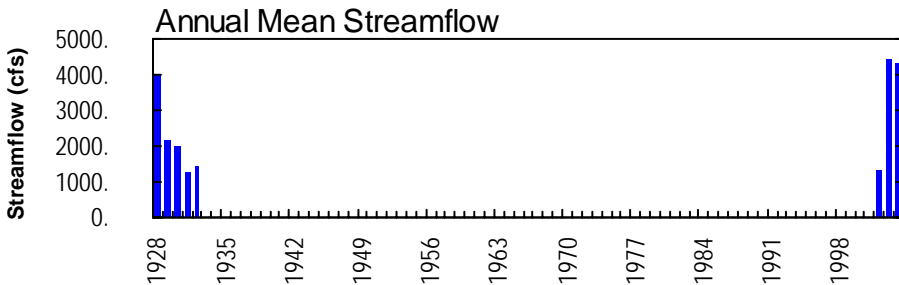
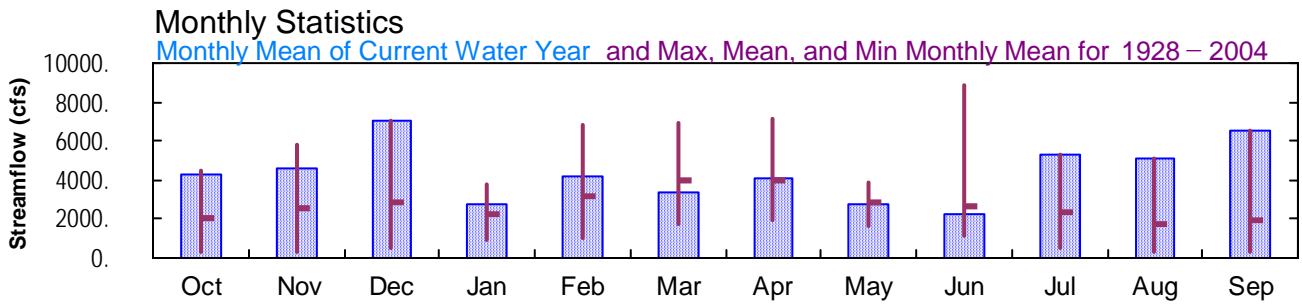
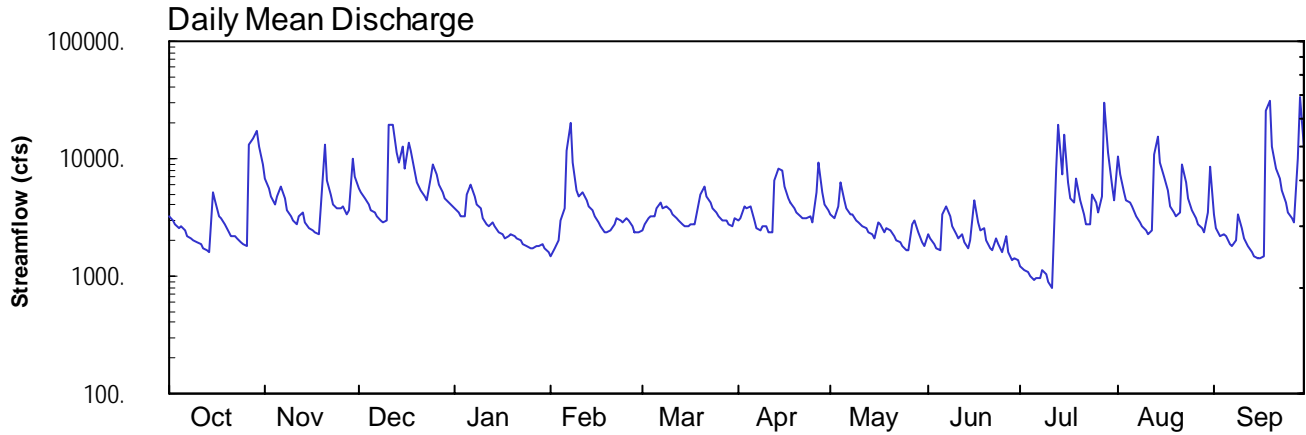
2004 Water Year SCHUYLKILL RIVER BASIN

01473500 Schuylkill River at Norristown, PA

Latitude: 40° 06' 40"
Montgomery County

Longitude: 075° 20' 50"
Datum: 51 feet

Hydrologic Unit Code: 02040203
Drainage Area: 1760. mi²



01473500-Schuylkill River at Norristown

SCHUYLKILL RIVER BASIN

01473500 SCHUYLKILL RIVER AT NORRISTOWN, PA

LOCATION.--Lat 40°06'40", long 75°20'25", Montgomery County, Hydrologic Unit 02040203, on left bank at Haws Avenue bridge leading to Barbadoes Island, 0.2 miles upstream from Stony Creek, 0.6 miles upstream from Norristown Dam.

DRAINAGE AREA.--1,760 mi².

PERIOD OF RECORD.--August 2001 to current year. October 1927 to May 1933 at site 0.6 mi downstream, at different datum. Annual maximums, October 1983 to September 1993 from crest-stage gage located 0.7 mi downstream at different datum.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 51.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except for estimated daily discharges, and those greater than 34,000 ft³/s, which are poor. Several measurements of temperature were made during the year. Satellite and landline telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 23,000 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date'	Time	Discharge ft ³ /s	Gage Height (ft)
Oct. 27	2200	24,500	13.15	July 15	0415	23,200	12.01
Dec. 11	1315	26,100	12.39	July 28	0700	43,200	14.52
Feb. 7	0130	29,600	12.82	Sept. 18	2115	*54,300	*16.00
July 12	2345	34,200	13.34	Sept. 29	0400	49,500	15.34

REVISIONS.--The annual maximum reported for water years 2002 and 2003 have been revised as shown in the following table.

Water Year	Date	Discharge ft ³ /s	Gage Height (ft)
2002	May 14, 2002	*31,900	*13.08
2003	June 21, 2003	*56,100	*16.25

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3220	6830	5600	3700	e1500	2500	3010	3300	2230	1220	10400	3340
2	2960	5580	5140	3460	e1700	2750	3100	3120	2130	1120	7230	2530
3	2750	4830	4610	3280	e2000	3080	3910	3850	1850	1060	5210	2160
4	2550	4050	4010	3210	e3000	3190	3780	6350	1700	985	4350	2240
5	2660	4690	3650	4890	e3800	3180	3910	4430	1650	932	4240	2170
6	2440	5820	3530	6110	11900	3820	2950	3830	3420	977	3870	1890
7	2220	4500	3270	4780	20600	4300	2580	3400	4000	961	3180	1780
8	2080	3690	2990	4040	9390	3800	2450	3300	3190	1130	2850	2010
9	1980	3200	2820	3750	5350	3950	2670	2960	2630	1020	2650	3360
10	1910	2940	2990	e3100	4840	3660	2640	2850	2270	893	2450	2570
11	1840	2810	19400	e2800	5180	3370	2340	2700	2130	804	2280	2110
12	1750	3200	19300	e2700	4340	3140	2360	2540	2230	8320	2410	1780
13	1650	3460	11400	e2900	3990	2950	6570	2360	1920	19200	10900	1590
14	1610	2910	9380	e2700	3650	2800	8230	2230	1740	7260	15200	1490
15	5190	2580	12400	e2400	3250	2700	8000	2130	2000	15700	9160	1430
16	4400	2420	8120	e2300	2900	2680	5690	2850	4370	6260	7010	1430
17	3190	2360	13400	e2100	2660	2810	4610	2770	2850	4580	5310	1450
18	3050	2280	11600	e2200	2410	2790	4180	2400	2450	4280	3960	26000
19	2710	3860	7610	e2300	2330	4060	3800	2590	2550	6680	3480	31300
20	2370	13300	6170	e2200	2470	4880	3460	2480	2040	4460	3240	12600
21	2210	6620	5270	e2100	2730	5730	3220	2170	1700	3310	3420	8370
22	2150	4890	4700	e2000	3140	4680	3100	2060	1670	2790	9030	6710
23	2100	4140	4380	e1900	3040	4190	3050	1940	2080	2770	6300	5460
24	1960	3770	6920	e1800	2870	3700	3270	1830	1860	4950	4560	4210
25	1830	3830	8960	e1700	3100	3420	2920	1690	1620	4320	3640	3500
26	1810	3900	7290	e1700	2930	3180	5110	1680	2180	3540	3060	3120
27	12900	3320	6070	e1800	2600	3000	9170	2800	1620	4800	2740	2880
28	15100	3660	5220	e1800	2390	2980	5240	2970	1360	29700	2540	9950
29	17200	10000	4660	e1850	2400	2760	4140	2370	1410	11100	2380	33600
30	12600	7010	4200	e1700	---	2610	3570	1940	1380	5800	3420	12400
31	9050	---	3990	e1600	---	3160	---	1820	---	4470	8490	---
TOTAL	131440	136450	219050	84870	122460	105820	123030	85710	66230	165392	158960	195430
MEAN	4240	4548	7066	2738	4223	3414	4101	2765	2208	5335	5128	6514
MAX	17200	13300	19400	6110	20600	5730	9170	6350	4370	29700	15200	33600
MIN	1610	2280	2820	1600	1500	2500	2340	1680	1360	804	2280	1430
CFM	2.41	2.58	4.01	1.56	2.40	1.94	2.33	1.57	1.25	3.03	2.91	3.70
IN.	2.78	2.88	4.63	1.79	2.59	2.24	2.60	1.81	1.40	3.50	3.36	4.13

STATISTICS OF MONTHLY MEAN DATA FOR PERIOD OF DAILY RECORD, BY WATER YEAR (WY)

MEAN	2048	2590	2893	2215	3146	3947	3963	2834	2695	2306	1739	1958
MAX	4449	5866	7066	3772	6811	6980	7141	3873	8885	5335	5128	6514
(WY)	1928	1933	2004	2003	1928	2003	1933	1933	2003	2004	2004	2004
MIN	256	353	508	910	1045	1746	1917	1603	1113	534	351	283
(WY)	1931	1931	1931	1931	2002	1931	1931	1930	1930	2002	1930	1932

e Estimated.

SCHUYLKILL RIVER BASIN

01473500 SCHUYLKILL RIVER AT NORRISTOWN, PA

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		FOR PERIOD OF DAILY RECORD	
ANNUAL TOTAL	1737940		1594842			
ANNUAL MEAN	4761		4357		2620	
HIGHEST ANNUAL MEAN					4421	
LOWEST ANNUAL MEAN					1259	
HIGHEST DAILY MEAN	27500	Jun 21	33600	Sep 29	33600	Sep 29 2004
LOWEST DAILY MEAN	e600	Feb 17	804	Jul 11	179	Dec 18 1930
ANNUAL SEVEN-DAY MINIMUM	a950	Feb 13	960	Jul 5	232	Oct 3 1930
MAXIMUM PEAK FLOW			b54300	Sep 18	b56100	Jun 21 2003
MAXIMUM PEAK STAGE			16.00	Sep 18	16.25	Jun 21 2003
ANNUAL RUNOFF (CFSM)	2.71		2.48		1.49	
ANNUAL RUNOFF (INCHES)	36.73		33.71		20.23	
10 PERCENT EXCEEDS	9540		8340		5410	
50 PERCENT EXCEEDS	3670		3110		1740	
90 PERCENT EXCEEDS	1630		1750		422	

a Computed using estimated daily discharges.

b From rating curve extended above 34,000 ft³/s on basis of runoff comparisons.

e Estimated.